

## ABSTRACT

An active power regulation process and system of a wind farm comprising an array of aerogenerators (AI), a communications network (RS), and a monitoring and control system (ST). The system of the invention comprises:

- 5    -    means for connecting to said monitoring and control system (ST),
- means for receiving data relative to the apparent power  $P_{out}$  put out by the farm at all times, and data relative to variables and states of the aerogenerators (Ai) from said monitoring and control system (ST),
- means for comparing said output apparent power  $P_{out}$  with a preset apparent
- 10    power set-point  $P_{cons}$  of the farm,
- means for continuously adjusting said output apparent power  $P_{out}$ , such that this output apparent power  $P_{out}$  approaches at all times the preset power set-point  $P_{cons}$ .